

IN THE CLAIMS:

Please amend claims 1, 3-7, 10, 12, 13, and 22; and

Please add new claims 23-25 as follows.

1. (Currently Amended) A ~~system~~network, comprising:

a plurality of base stations communicating with a radio network controller by an asynchronous transfer mode based data connection ~~via an I-UB interface~~, at least one of the plurality of base stations comprising a plurality of radio sectors having physically distributed asynchronous transfer mode adaptation layer 2 based termination points, each termination point having an asynchronous transfer mode adaptation layer 2 over asynchronous transfer mode structure for mapping ~~where different call ID's are mapped into~~ an asynchronous transfer mode adaptation layer 2 cell stream of a single asynchronous transfer mode virtual connection under control of a control unit timer having a determined delay time; and

an asynchronous transfer mode switching unit configured to ~~that~~ receives all asynchronous transfer mode adaptation layer 2 cell streams ~~being sent~~ parallel to each other from said termination points,

wherein said asynchronous transfer mode switching unit comprises a multiplexer configured to multiplex ~~all of~~ said received asynchronous transfer mode adaptation layer 2 cell streams into a single asynchronous transfer mode virtual connection to be processed by an asynchronous transfer mode switch, and wherein a control unit timer used in said

multiplexer has a larger value than a control unit timer used for ~~of~~ said asynchronous transfer mode adaptation layer 2 cell streams ~~before said multiplexer~~.

2. (Cancelled)

3. (Currently Amended) The system~~network~~ of claim 1, wherein channels respectively corresponding to said termination points have different bandwidths.

4. (Currently Amended) The system~~network~~ of claim 1, wherein the multiplexer has a switchable bypass line.

5. (Currently Amended) The system~~network~~ of claim 4, wherein the multiplexer is a plug-in type unit.

6. (Currently Amended) ~~A~~An apparatus, comprising: ~~multiplexer for a network with a plurality of base stations communicating with a radio network controller by an asynchronous transfer mode based data connection via an I_{ub} interface, wherein at least one of the plurality of base stations comprises a plurality of radio sectors having physically distributed asynchronous transfer mode adaptation layer 2 based termination points, and wherein each of said termination points has an asynchronous transfer mode adaptation layer 2 over asynchronous transfer mode structure where different call ID's are mapped into an asynchronous transfer mode adaptation layer 2 cell stream of a single asynchronous transfer~~

~~mode virtual connection under the control of a control unit timer having a determined delay time;~~

~~a receiver wherein said multiplexer is configured to receive all asynchronous transfer mode adaptation layer 2 cell streams of respective asynchronous transfer mode virtual connections being sent parallel to each other from said physically distributed asynchronous transfer mode adaptation layer 2 based termination points of a plurality of radio sectors of a base station, wherein said base station is a base station out of a plurality of base stations configured to communicate with a radio network controller by an asynchronous transfer mode based data connection, and wherein each asynchronous transfer mode adaptation layer 2 cell stream contains different call IDs mapped into it under the control of a control unit timer, and~~

~~a wherein said multiplexer is configured to multiplex all of said received asynchronous transfer mode adaptation layer 2 cell streams into a single asynchronous transfer mode virtual connection to be processed by an asynchronous transfer mode switch, and wherein a control unit timer used in said multiplexer has a larger value than a control unit timer used for of said asynchronous transfer mode adaptation layer 2 cell streams before said multiplexer.~~

7. (Currently Amended) A method, ~~for data processing in a network with a plurality of base stations communicating with a radio network controller by an asynchronous transfer mode based data connection via an I_{UB} interface, wherein at least one of the plurality of base stations comprises a plurality of radio sectors having physically distributed asynchronous~~

~~transfer mode adaptation layer 2 based termination points, and wherein each of said termination points has an asynchronous transfer mode adaptation layer 2 over asynchronous transfer mode structure where different call ID's are mapped into an asynchronous transfer mode adaptation layer 2 cell stream of a single asynchronous transfer mode virtual connection under the control of a control unit timer having a determined delay time; said method comprising:~~

receiving all asynchronous transfer mode adaptation layer 2 cell streams of respective asynchronous transfer mode virtual connections ~~being sent~~ parallel to each other from ~~said~~ physically distributed asynchronous transfer mode adaptation layer 2 based termination points of a plurality of radio sectors of a base station, wherein said base station is a base station out of a plurality of base stations configured to communicate with a radio network controller by an asynchronous transfer mode based data connection, and wherein each asynchronous transfer mode adaptation layer 2 cell stream contains different call IDs mapped into it under the control of a control unit timer; and

~~multiplexing all of said received asynchronous transfer mode adaptation layer 2 cell streams into a single asynchronous transfer mode virtual connection to be processed by an asynchronous transfer mode switch, wherein a control unit timer used in said multiplexing has a larger value than a control unit timer used for of said asynchronous transfer mode adaptation layer 2 cell streams before said multiplexing.~~

8-9. (Cancelled)

10. (Currently Amended) The ~~system~~network of claim 3, wherein the multiplexer has a switchable bypass line.

11. (Cancelled)

12. (Currently Amended) The ~~apparatus~~multiplexer of claim 6, wherein the multiplexer has a switchable bypass line.

13. (Currently Amended) The ~~apparatus~~multiplexer of claim 6, wherein the multiplexer is a plug-in type unit.

14-15. (Cancelled)

16. (Previously Presented) The method of claim 7, wherein the multiplexing is performed in a multiplexer.

17. (Previously Presented) The method of claim 16, wherein the multiplexer has a switchable bypass line.

18. (Previously Presented) The method of claim 16, wherein the multiplexer is a plug-in type unit.

19-21. (Cancelled)

22. (Currently Amended) ~~An apparatus, multiplexer for a network with a plurality of base stations communicating with a radio network controller by an asynchronous transfer mode based data connection via an I_{UB} interface, wherein at least one of the plurality of base stations comprises a plurality of radio sectors having physically distributed asynchronous transfer mode adaptation layer 2 based termination points, and wherein each of said termination points has an asynchronous transfer mode adaptation layer 2 over asynchronous transfer mode structure where different call ID's are mapped into an asynchronous transfer mode adaptation layer 2 cell stream of a single asynchronous transfer mode virtual connection under the control of a control unit timer having a determined delay time; said multiplexer comprising:~~

means for receiving all asynchronous transfer mode adaptation layer 2 cell streams of respective asynchronous transfer mode virtual connections being sent parallel to each other from said physically distributed asynchronous transfer mode adaptation layer 2 based termination points of a plurality of radio sectors of a base station, wherein said base station is a base station out of a plurality of base stations configured to communicate with a radio network controller by an asynchronous transfer mode based data connection, and wherein each asynchronous transfer mode adaptation layer 2 cell stream contains different call IDs mapped into it under the control of a control unit timer, and

means for multiplexing ~~all of~~ said received asynchronous transfer mode adaptation layer 2 cell streams into a single asynchronous transfer mode virtual connection to be

processed by an asynchronous transfer mode switch, wherein a control unit timer used in said multiplexer has a larger value than a control unit timer used for ~~of~~ said asynchronous transfer mode adaptation layer 2 cell streams ~~before said multiplexer~~.

23. (New) The apparatus of claim 6, wherein channels respectively corresponding to said termination points have different bandwidths.

24. (New) The apparatus of claim 23, wherein the multiplexer has a switchable bypass line.

25. (New) The apparatus of claim 12, wherein the multiplexer is a plug-in type unit.